

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled).
2. (Currently Amended) ~~The path and/or position~~ path/position measuring device as ~~claimed in~~ of claim ~~1~~ 10, characterized ~~in that the~~ wherein said sensor (3) generates an electrical output voltage ~~in dependence on the~~ depending upon said magnetic field intensity that is, ~~the output voltage preferably being substantially proportional to the sensed~~ said magnetic field intensity detected by said sensor, ~~in particular to the flux density associated with the respective magnetic field intensity.~~
3. (Currently Amended) ~~The path and/or position~~ path/position measuring device as ~~claimed in~~ of claim ~~1~~ 10, characterized ~~in that the~~ wherein said sensor (3) ~~is~~ comprises one of a Hall sensor, ~~in particular of the analog type, and a GMR sensor or the like.~~
4. (Currently Amended) ~~The path and/or position~~ path/position measuring device as ~~claimed in~~ of claim ~~1~~ 10, characterized ~~in that the~~ wherein said magnet (2) has ~~one of a ramp-shaped or and a wedge-shaped form in the~~ said direction of the said axis (5), ~~in particular with respect to a linear change in the~~ a height (8) of the said magnet (2) ~~in the~~ said direction of the said axis (5), ~~in such a way that the~~ a flux density variation for the said magnetic field in the said direction of the said axis (5) is substantially linear, ~~the and wherein an air gap (9) between the said magnet (2) and the said sensor (3) preferably being~~ is substantially constant along the said direction of the said axis (5).
5. (Currently Amended) ~~The path and/or position~~ path/position measuring device as ~~claimed in~~ of claim ~~1~~ 10, characterized ~~in that the~~ wherein said magnet (2)

consists of polymer-bonded magnetic particles, ~~the magnet (2) being produced in particular by injection molding.~~

6. (Currently Amended) The ~~path and/or position~~ path/position measuring device ~~as claimed in of claim 1~~ 10, wherein said magnet (2) is fastened to said movable element (4) within a manner selected from the group consisting of a latching engagement manner, a fitting engagement manner wherein said magnet is fitted into the said movable element (4), and an integrated manner wherein said magnet is integrated into the said movable element (4) or the like, in particular that the polymer-bonded magnet (2) is molded into the moveable element (4) in the manner of a two-component part.

7-9. (Cancelled).

10. (New) A path/position measuring device comprising:
a magnet fixed to a movable element;
a sensor for detecting a magnetic field intensity; and
a housing having securing means for securing a printed circuit board; said sensor being arranged on said printed circuit board; said printed circuit board having an integrated circuit including electronics for evaluating a signal from said sensor;
wherein said magnetic field intensity varies along an axis of said magnet such that a relative movement between said sensor and said magnet substantially in the direction of said axis is brought about by means of said movable element such that the path/position of said movable element is determined based on said magnetic field intensity detected by said sensor.

11. (New) The device of claim 10, wherein said housing comprises a plug-in receptacle for a connector for establishing an electrical connection to said printed circuit board.

12. (New) The device of claim 11, wherein said plug-in receptacle is arranged on said securing means.

13. (New) A path/position measuring device comprising:
a magnet fixed to a movable element, said movable element comprising a push rod mounted in a linearly movable manner in a housing, said push rod being articulated on a movable part at least by means of a first ball joint and said housing being arranged on a fixed part at least by means of a second ball joint; and
a sensor for detecting a magnetic field intensity;
wherein said magnetic field intensity varies along an axis of said magnet such that a relative movement between said sensor and said magnet substantially in the direction of said axis is brought about by means of said movable element such that the path/position of said movable element is determined based on said magnetic field intensity detected by said sensor.

14. (New) The device of claim 13, wherein said axis of said magnet is aligned approximately parallel to a longitudinal axis of said push rod.

15. (New) The device of claim 13, further comprising a plurality of fastening plates, wherein said push rod is articulated on said movable part by means of one of said fastening plates and wherein said housing is articulated on said fixed part by means of another of said fastening plates.

16. (New) A path/position measuring device for a domestic appliance having a movable part and a fixed part, said device comprising:
a magnet fastened to a movable element; and
a sensor for detecting a magnetic field intensity;
wherein said magnetic field intensity varies along an axis of said magnet such that a relative movement between said sensor and said magnet substantially in the direction of said axis is brought about by means of said movable element such that the

path/position of said movable element is determined based on said magnetic field intensity detected by said sensor; and

wherein said movable element of said device is articulated on a movable part of the domestic appliance and said sensor of said device is articulated on a fixed part of the domestic appliance.

17. (New) The device of claim 16, wherein the movable part comprises a drum of the domestic appliance.

18. (New) The device of claim 16, wherein the fixed part comprises a frame of the domestic appliance.

19. (New) The device of claim 16, wherein the domestic appliance comprises one of a laundry washing machine and a laundry dryer.

20. (New) The device of claim 2, wherein said electrical output voltage is substantially proportional to a flux density associated with said magnetic field intensity detected by said sensor.

21. (New) The device of claim 3, wherein said sensor comprises an analog-type Hall sensor.

22. (New) The device of claim 5, wherein said polymer-bonded magnet is molded into said movable element in the manner of a two-component part.

23. (New) A path/position measuring device comprising:
a magnet fixed to a movable element, said movable element comprising a push rod mounted in a linearly movable manner in a housing, said push rod being articulated on a fixed part at least by means of a first ball joint and said housing being arranged on a movable part at least by means of a second ball joint; and

a sensor for detecting a magnetic field intensity;

wherein said magnetic field intensity varies along an axis of said magnet such that a relative movement between said sensor and said magnet substantially in the direction of said axis is brought about by means of said movable element such that the path/position of said movable element is determined based on said magnetic field intensity detected by said sensor.

24. (New) A path/position measuring device for a domestic appliance having a movable part and a fixed part, said device comprising:

a magnet fastened to a movable element; and

a sensor for detecting a magnetic field intensity;

wherein said magnetic field intensity varies along an axis of said magnet such that a relative movement between said sensor and said magnet substantially in the direction of said axis is brought about by means of said movable element such that the path/position of said movable element is determined based on said magnetic field intensity detected by said sensor; and

wherein said movable element of said device is articulated on a fixed part of the domestic appliance and said sensor of said device is articulated on a movable part of the domestic appliance.